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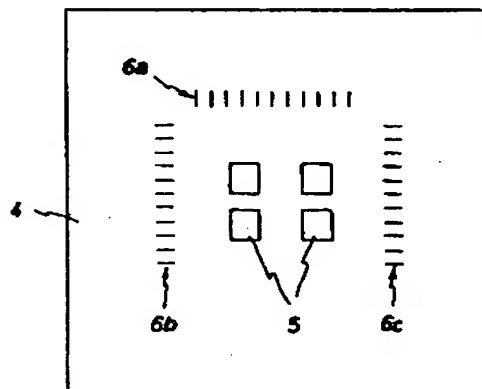
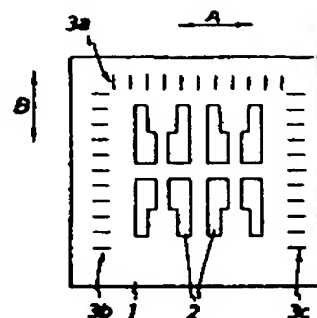
APPLICATION DATE : 04-11-82
APPLICATION NUMBER : 57192387

APPLICANT : OKI ELECTRIC IND CO LTD;

INVENTOR : TAKAHASHI YOSHIRO;

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TITLE : REGISTERING METHOD OF
MULTILAYER PRINTING



ABSTRACT : PURPOSE: To enable easy and exact registration by measuring the degree of the deviation in a printing position from the graduations of main scales and the graduations of verniers and moving a ceramic substrate or a screen mask for the 2nd pattern.

CONSTITUTION: Main scales 3a~3c are printed together with the 1st layer pattern 2 on a ceramic substrate 1 by an ordinary thick film printing stage. The 2nd layer pattern 5 and verniers 6a~6c consisting of the graduations spaced differently from the graduations of the main scales 3a~3c are formed on a screen mask 4 for the 2nd layer pattern. Registration is accomplished by superposing the mask 4 on the substrate 1, matching approximately the positions thereof, then measuring the degree of deviation in position by the scales 3a~3c and the verniers 6a~6c. The main scale 3a and the vernier 6a are used to measure the degree of deviation in an arrow A direction and the main scale 3b and the vernier 6b as well as the main scale 3c and the vernier 6c are used to measure the degree of deviation in an arrow B direction.

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